BRUHAT BANGALORE MAHANAGARA PALIKE

MEASUREMENT SHEET

PRE-MEASUREMENT

Name of work: Improvements To Roads and Drain at BEL layout 1st Block 3rd block 4th Block and Surronding Areas in ward no 09 (Vidyaranyapura).

Estimated Cost : Rs. 80.00 Lakhs

Job Code: 009-20-000072

Head of Account : P-0541 Emergency Reserve Fund

Name of Agency: Sri. P. Vijaya Babu, # H No. 1504, 4th C Main, 2nd Stage, West of Cord Road, Bangalore - 560086.

Work order No: BBMP/EE/BTP/WO/206/2020-21 Dated: 04-03-2021

Measurements Recarded on :

Sl No	Description of work	Mesurement						Qty	Rate / Unit
		No.	L	B1	B2	Av.,B	D		
1	**Earthwork excavation by manual means for roads,** drains & similar works in ordinary soil excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per								Cum
	Desilt for Drain								
	BEL 1st Block 3rd Main Road								
	From 11th Cross to 13th Cross	2	15.00			0.45	0.45	6.08	
		2	15.00			0.45	0.45	6.08	
		2	15.00			0.60	0.55	9.90	
		2	15.00			0.45	0.45	6.08	
		2	15.00			0.45	0.45	6.08	
		2	15.00			0.45	0.45	6.08	
		2	15.00			0.45	0.45	6.08	
		2	15.00			0.45	0.45	6.08	
		2	15.00			0.45	0.45	6.08	
		2	15.00			0.45	0.45	6.08	
		2	15.00			0.45	0.45	6.08	
		2	15.00			0.45	0.45	6.08	
		2	15.00			0.45	0.45	6.08	
		2	15.00			0.45	0.45	6.08	
		2	15.30			0.45	0.45	6.20	
	12th Cross Road								
	From 3rd Main Road	2	15.00			0.45	0.45	6.08	
		2	15.00			0.45	0.45	6.08	
		2	15.00			0.45	0.45	6.08	
		2	15.00			0.45	0.45	6.08	
		2	15.00			0.45	0.45	6.08	
		2	15.00			0.45	0.45	6.08	
		2	15.00			0.45	0.45	6.08	
		2	15.00			0.45	0.45	6.08	
		2	15.00			0.45	0.45	6.08	
		2	15.00			0.45	0.45	6.08	
		2	15.00			0.45	0.45	6.08	
		2	16.00			0.45	0.45	6.48	
	2nd A Main Road								
	From 12th Cross	2	15.00			0.45	0.45	6.08	
		2	15.00			0.45	0.45	6.08	
		2	15.00			0.45	0.45	6.08	
		2	15.00			0.45	0.45	6.08	
		2	15.00			0.45	0.45	6.08	
		2	15.00			0.45	0.45	6.08	
		2	15.00			0.45	0.45	6.08	

EXECUTIVE ENGINEER Vidyaranyapura Sub-Division Bruhath Bengaluru Mahanagara P

198.75

Sl No	Description of work	Mesurement						Qty	Rate / Unit
		No.	L	B1	B2	Av.,B	D		
		2	15.00			0.45	0.45	6.08	
		2	15.00			0.45	0.45	6.08	
		2	15.00			0.45	0.45	6.08	
		2	15.00			0.45	0.45	6.08	
	2nd B Main Road								
	From 11th Cross to 12th Cross	2	15.00			0.45	0.45	6.08	
		2	15.00			0.45	0.45	6.08	
		2	15.00			0.45	0.45	6.08	
		2	15.00			0.45	0.45	6.08	
		2	15.00			0.45	0.45	6.08	
		2	15.00			0.45	0.45	6.08	
		2	15.00			0.45	0.45	6.08	
		2	15.00			0.45	0.45	6.08	
		2	15.00			0.45	0.45	6.08	
		2	15.00			0.45	0.45	6.08	
		2	13.00			0.45	0.45	5.27	
	2nd Main Road								
	From 11th Cross to 12th Cross	2	15.00			0.45	0.45	6.08	
		2	15.00			0.45	0.45	6.08	
		2	15.00			0.45	0.45	6.08	
		2	15.00			0.45	0.45	6.08	
		2	15.00			0.45	0.45	6.08	
		2	15.00			0.45	0.45	6.08	
		2	15.00			0.45	0.45	6.08	
		2	15.00			0.45	0.45	6.08	
		2	15.00			0.45	0.45	6.08	
		2	15.00			0.45	0.45	6.08	
		2	15.00			0.45	0.45	6.08	
		2	12.00			0.45	0.45	4.86	
	9th Cross Road								
		2	15.00			0.45	0.45	6.08	
		2	15.00			0.45	0.45	6.08	
		2	15.00			0.45	0.45	6.08	
		2	15.00			0.45	0.45	6.08	
		2	15.00			0.45	0.45	6.08	
		2	15.00			0.45	0.45	6.08	
		2	15.00			0.45	0.45	6.08	
		2	17.00			0.45	0.45	6.89	
	Flagging Course								
	BEL 1st Block 3rd Main Road								
	From 11th Cross to 13th Cross	2x2	15.00			0.30	0.30	5.40	
		2x2	15.00			0.30	0.30	5.40	
		2x2	15.00			0.30	0.30	5.40	
		2x2	15.00			0.30	0.30	5.40	
		2x2	15.00			0.30	0.30	5.40	
		2x2	15.00			0.30	0.30	5.40	
		2x2	15.00			0.30	0.30	5.40	
		2x2	15.00			0.30	0.30	5.40	
		2x2	15.00			0.30	0.30	5.40	
		2x2	15.00			0.30	0.30	5.40	
		2x2	15.00			0.30	0.30	5.40	
		2x2	15.00			0.30	0.30	5.40	
		2x2	15.00			0.30	0.30	5.40	
		2x2	15.00			0.30	0.30	5.40	
		2x2	15.00			0.30	0.30	5.40	
		2x2	15.30			0.30	0.30	5.51	
	Deduct Cross Road	2x2	6.00			0.30	0.30	2.16	
	12th Cross Road								
	From 3rd Main Road	2	15.00			0.30	0.30	2.70	

ASSISTANT EXECUTIVE ENGINEER
Vidyaranyapura Sub-Division
Binhath Bengaluru Mahanagara

Sl No	Description of work	Mesurement						Qty	Rate / Unit
		No.	L	B1	B2	Av.,B	D		
		2	15.00			0.30	0.30	2.70	484.65
		2	15.00			0.30	0.30	2.70	
		2	15.00			0.30	0.30	2.70	
		2	15.00			0.30	0.30	2.70	
		2	15.00			0.30	0.30	2.70	
		2	15.00			0.30	0.30	2.70	
		2	15.00			0.30	0.30	2.70	
		2	15.00			0.30	0.30	2.70	
		2	15.00			0.30	0.30	2.70	
		2	16.00			0.30	0.30	2.88	
	Deduct Cross Road	2	6.00			0.30	0.30	1.08	
	2nd A Main Road								
	From 12th Cross	2	15.00			0.30	0.30	2.70	
		2	15.00			0.30	0.30	2.70	
		2	15.00			0.30	0.30	2.70	
		2	15.00			0.30	0.30	2.70	
		2	15.00			0.30	0.30	2.70	
		2	15.00			0.30	0.30	2.70	
		2	15.00			0.30	0.30	2.70	
		2	15.00			0.30	0.30	2.70	
		2	15.00			0.30	0.30	2.70	
		2	15.00			0.30	0.30	2.70	
		2	15.00			0.30	0.30	2.70	
		2	15.00			0.30	0.30	2.70	
	2nd B Main Road								
	From 11th Cross to 12th Cross	2	15.00			0.30	0.30	2.70	
		2	15.00			0.30	0.30	2.70	
		2	15.00			0.30	0.30	2.70	
		2	15.00			0.30	0.30	2.70	
		2	15.00			0.30	0.30	2.70	
		2	15.00			0.30	0.30	2.70	
		2	15.00			0.30	0.30	2.70	
		2	15.00			0.30	0.30	2.70	
		2	15.00			0.30	0.30	2.70	
		2	15.00			0.30	0.30	2.70	
		2	15.00			0.30	0.30	2.70	
		2	13.00			0.30	0.30	2.34	
	2nd Main Road								
	From 11th Cross to 12th Cross	2	15.00			0.30	0.30	2.70	
		2	15.00			0.30	0.30	2.70	
		2	15.00			0.30	0.30	2.70	
		2	15.00			0.30	0.30	2.70	
		2	15.00			0.30	0.30	2.70	
		2	15.00			0.30	0.30	2.70	
		2	15.00			0.30	0.30	2.70	
		2	15.00			0.30	0.30	2.70	
		2	15.00			0.30	0.30	2.70	
		2	15.00			0.30	0.30	2.70	
		2	15.00			0.30	0.30	2.70	
		2	12.00			0.30	0.30	2.16	
			Total Qty =					601.11	
			Qty Limited to =					599.76	

Assistant Engineer
Ward No. 09

ASSISTANT EXECUTIVE ENGINEER
Vidyaranyapura Sub-Division
Bruhath Bengaluru Mahanagara Palike

Assistant Executive Engineer
Vidyaranyapura Sub Division

Sl No	Description of work	Mesurement						Qty	Rate / Unit
		No.	L	B1	B2	Av.,B	D		
	Measurements Recarded on :								
2	Removing and refixing stone slabs of drains and pointing in CM (1:3)								Sqm
	BS Drain Slab								
	BEL 1st Block 3rd Main Road								
	From 11th Cross to 13th Cross	2	15.00			1.35		40.50	
		2	15.00			1.35		40.50	
		2	15.00			1.35		40.50	
		2	15.00			1.35		40.50	
		2	15.00			1.35		40.50	
		2	15.00			1.35		40.50	
		2	15.00			1.35		40.50	
		2	15.00			1.35		40.50	
		2	15.00			1.35		40.50	
		2	15.00			1.35		40.50	
		2	15.00			1.35		40.50	
		2	15.30			1.35		41.31	
	Deduct Cross Road	2	6.00			1.35		-16.20	
	12th Cross Road								
	From 3rd Main Road	2	15.00			1.35		40.50	
		2	15.00			1.35		40.50	
		2	15.00			1.35		40.50	
		2	15.00			1.35		40.50	
		2	15.00			1.35		40.50	
		2	15.00			1.35		40.50	
		2	15.00			1.35		40.50	
		2	16.00			1.35		43.20	
	Deduct Cross Road	2	6.00			1.35		-16.20	
	2nd A Main Road								
	From 12th Cross	2	15.00			1.35		40.50	
		2	15.00			1.35		40.50	
		2	15.00			1.35		40.50	
		2	15.00			1.35		40.50	
		2	15.00			1.35		40.50	
		2	15.00			1.35		40.50	
		2	15.00			1.35		40.50	
		2	15.00			1.35		40.50	
		2	15.00			1.35		40.50	
		2	15.00			1.35		40.50	
	2nd B Main Road								
	From 11th Cross to 12th Cross	2	15.00			1.35		40.50	
		2	15.00			1.35		40.50	
		2	13.00			1.35		35.10	
		2	15.00			1.35		40.50	
		2	15.00			1.35		40.50	
		2	12.00			1.35		32.40	
		2	15.00			1.35		40.50	
		2	15.00			1.35		40.50	
		2	10.00			1.35		27.00	
		2	13.00			1.35		35.10	
			Total Qty =					1477.71	
			Qty Limited to =					1476.47	

Assistant Engineer
Ward No. 09

ASSISTANT EXECUTIVE ENGINEER
Vidyaranyapura Sub-Division
Bruhath Bengaluru Mahanagara Palike

Assistant Executive Engineer
Vidyaranyapura Sub Division

Sl No	Description of work	Mesurement						Qty	Rate / Unit
		No.	L	B1	B2	Av.,B	D		
	Measurements Recarded on :								
4	Providing and laying Plain cement concrete of mix1:3:6 with OPC cement @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days Including cost of materials,labour, HOM curing form work, Scaffolding and Centering complete as per specifications.MORTH Specification								Cum
	For Flagging Course Coping								
	BEL 1st Block 3rd Main Road								
	From 11th Cross to 13th Cross	2x2	15.00			0.30	0.10	1.80	
		2x2	15.00			0.30	0.10	1.80	
		2x2	15.00			0.30	0.10	1.80	
		2x2	15.00			0.30	0.10	1.80	
		2x2	15.00			0.30	0.10	1.80	
		2x2	15.00			0.30	0.10	1.80	
		2x2	15.00			0.30	0.10	1.80	
		2x2	15.00			0.30	0.10	1.80	
		2x2	15.00			0.30	0.10	1.80	
		2x2	15.00			0.30	0.10	1.80	
		2x2	15.00			0.30	0.10	1.80	
		2x2	15.00			0.30	0.10	1.80	
		2x2	15.00			0.30	0.10	1.80	
		2x2	15.30			0.30	0.10	1.84	
	Deduct Cross Road	2	6.00			0.30	0.10	-0.36	
	12th Cross Road								
	From 3rd Main Road	2x2	15.00			0.20	0.10	1.20	
		2x2	15.00			0.20	0.10	1.20	
		2x2	15.00			0.20	0.10	1.20	
		2x2	15.00			0.20	0.10	1.20	
		2x2	15.00			0.20	0.10	1.20	
		2x2	15.00			0.20	0.10	1.20	
		2x2	15.00			0.20	0.10	1.20	
		2x2	15.00			0.20	0.10	1.20	
		2x2	15.00			0.20	0.10	1.20	
		2x2	15.00			0.20	0.10	1.20	
		2x2	15.00			0.20	0.10	1.20	
		2x2	16.00			0.20	0.10	1.28	
	Deduct Cross Road	2	6.00			0.20	0.10	-0.24	
	2nd A Main Road								
	From 12th Cross	2x2	15.00			0.20	0.10	1.20	
		2x2	15.00			0.20	0.10	1.20	
		2x2	15.00			0.20	0.10	1.20	
		2x2	15.00			0.20	0.10	1.20	
		2x2	15.00			0.20	0.10	1.20	
		2x2	15.00			0.20	0.10	1.20	
		2x2	15.00			0.20	0.10	1.20	
		2x2	15.00			0.20	0.10	1.20	
		2x2	15.00			0.20	0.10	1.20	
		2x2	15.00			0.20	0.10	1.20	
		2x2	15.00			0.20	0.10	1.20	

ASSISTANT EXECUTIVE ENGINEER
Vidyaranyapura Sub-Division
Bruhath Bengaluru Mahanagara P

51.12

Sl No	Description of work	Mesurement						Qty	Rate / Unit
		No.	L	B1	B2	Av.,B	D		
	2nd B Main Road								
	From 11th Cross to 12th Cross	2x2	15.00			0.20	0.10	1.20	
		2x2	15.00			0.20	0.10	1.20	
		2x2	15.00			0.20	0.10	1.20	
		2x2	15.00			0.20	0.10	1.20	
		2x2	15.00			0.20	0.10	1.20	
		2x2	15.00			0.20	0.10	1.20	
		2x2	15.00			0.20	0.10	1.20	
		2x2	15.00			0.20	0.10	1.20	
		2x2	15.00			0.20	0.10	1.20	
		2x2	15.00			0.20	0.10	1.20	
		2x2	13.00			0.20	0.10	1.04	
			Total Qty =					64.16	
			Qty Limited to =					60.57	

51.12

Assistant Engineer
Ward No. 09

ASSISTANT EXECUTIVE ENGINEER
Vidyaranyapura Sub Division
Bruhath Bengaluru Mahanagara Palike

Assistant Executive Engineer
Vidyaranyapura Sub Division

Sl No	Description of work	Mesurement No.	L	B1	B2	Av.,B	D	Qty	Rate / Unit
	Measurements Recarded on :								
8	**Excavation for roadwork in all types of soil** by mechanical means including cutting and loading to tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transportation with a lead of 1.00 km and complete as per specifications MORTH Specificatio MORTH Specification No.301Loading and unloading with 10km lead								Cum
	Road cutting portion								
	BEL 1st Block								
	2nd A Main Road	1	15.00			1.35	0.25	5.06	
		1	12.00			1.20	0.25	3.60	
		1	10.00			1.30	0.25	3.25	
		1	8.00			1.25	0.25	2.50	
		1	6.00			1.20	0.25	1.80	
		1	5.00			1.00	0.25	1.25	
		1	6.80			0.95	0.25	1.62	
		1	6.20			0.80	0.25	1.24	
		1	12.50			0.95	0.25	2.97	
	2nd B Main Road	1	8.00			0.90	0.25	1.80	
		1	6.00			0.95	0.25	1.43	
		1	12.00			1.00	0.25	3.00	
		1	6.00			1.10	0.25	1.65	
		1	8.50			0.95	0.25	2.02	
		1	6.80			1.00	0.25	1.70	
		1	6.00			0.95	0.25	1.43	
		1	5.80			0.90	0.25	1.31	
		1	12.60			0.95	0.25	2.99	
		1	7.20			0.75	0.25	1.35	
	12th Cross Road	1	10.00			0.60	0.25	1.50	
		1	8.00			0.95	0.25	1.90	
		1	12.00			0.80	0.25	2.40	
		1	13.00			1.10	0.25	3.58	
		1	13.00			1.50	0.25	4.88	
		1	7.90			1.20	0.25	2.37	
		1	6.80			1.60	0.25	2.72	
		1	7.50			1.50	0.25	2.81	
		1	12.60			1.20	0.25	3.78	
		1	6.50			1.10	0.25	1.79	
	3rd Main Road	1	12.00			1.30	0.25	3.90	
		1	8.00			2.20	0.25	4.40	
		1	10.00			1.80	0.25	4.50	
		1	10.60			1.20	0.25	3.18	
		1	8.60			1.20	0.25	2.58	
		1	9.30			0.95	0.25	2.21	
		1	5.60			0.95	0.25	1.33	
		1	9.40			1.00	0.25	2.35	
			Total Qty =					**94.12**	
			Qty Limited to =					**93.96**	

Assistant Engineer
Ward No. 09

Assistant Executive Engineer
Vidyaranyapura Sub Division

ASSISTANT EXECUTIVE ENGINEER
Vidyaranyapura Sub Division
Bruhath Bengaluru Mahanagara Palike

Sl No	Description of work	Mesurement No.	L	B1	B2	Av.,B	D	Qty	Rate / Unit
	Measurements Recarded on :								
9	Providing, laying, spreading and compacting cushed stone aggregates of granite / trap / basalt to **wet mix macadam** specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed materials by tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications								Cum
	Road cutting portion								
	BEL 1st Block								
	2nd A Main Road	1	15.00			1.35	0.25	5.06	
		1	12.00			1.20	0.25	3.60	
		1	10.00			1.30	0.25	3.25	
		1	8.00			1.25	0.25	2.50	
		1	6.00			1.20	0.25	1.80	
		1	5.00			1.00	0.25	1.25	
		1	6.80			0.95	0.25	1.62	
		1	6.20			0.80	0.25	1.24	
		1	12.50			0.95	0.25	2.97	
	2nd B Main Road	1	8.00			0.90	0.25	1.80	
		1	6.00			0.95	0.25	1.43	
		1	12.00			1.00	0.25	3.00	
		1	6.00			1.10	0.25	1.65	
		1	8.50			0.95	0.25	2.02	
		1	6.80			1.00	0.25	1.70	
		1	6.00			0.95	0.25	1.43	
		1	5.80			0.90	0.25	1.31	
		1	12.60			0.95	0.25	2.99	
		1	7.20			0.75	0.25	1.35	
	12th Cross Road	1	10.00			0.60	0.25	1.50	
		1	8.00			0.95	0.25	1.90	
		1	12.00			0.80	0.25	2.40	
		1	13.00			1.10	0.25	3.58	
		1	13.00			1.50	0.25	4.88	
		1	7.90			1.20	0.25	2.37	
		1	6.80			1.60	0.25	2.72	
		1	7.50			1.50	0.25	2.81	
		1	12.60			1.20	0.25	3.78	
		1	6.50			1.10	0.25	1.79	
	3rd Main Road	1	12.00			1.30	0.25	3.90	
		1	8.00			2.20	0.25	4.40	
		1	10.00			1.80	0.25	4.50	
		1	10.60			1.20	0.25	3.18	
		1	8.60			1.20	0.25	2.58	
		1	9.30			0.95	0.25	2.21	
		1	5.60			0.95	0.25	1.33	
		1	9.40			1.00	0.25	2.35	
			Total Qty =					**94.12**	
			Qty Limited to =					**93.96**	

Assistant Engineer
Ward No. 09

ASSISTANT EXECUTIVE ENGINEER
Vidyaranyapura Sub Division
Bruhath Bengaluru Mahanagara Palike

Assistant Executive Engineer
Vidyaranyapura Sub Division

Sl No	Description of work	Mesurement						Qty	Rate / Unit
		No.	L	B1	B2	Av.,B	D		
	Measurements Recarded on :								
10	Cleaning the existing black topped surface with brooms,soft brushes and finally dusting with old gunny bags and/or compressed air to receive bituminous treatment including cost of all materials,labhour, HOM of machineries complete as per specifications.								Sqm
	Road cutting portion								
	BEL 1st Block								
	2nd A Main Road	1	15.00			1.35		20.25	
		1	12.00			1.20		14.40	
		1	10.00			1.30		13.00	
		1	8.00			1.25		10.00	
		1	6.00			1.20		7.20	
		1	5.00			1.00		5.00	
	2nd B Main Road	1	8.00			0.90		7.20	
		1	6.00			0.95		5.70	
		1	12.00			1.00		12.00	
		1	6.00			1.10		6.60	
		1	8.50			0.95		8.08	
		1	6.80			1.00		6.80	
	12th Cross Road	1	10.00			0.60		6.00	
		1	8.00			0.95		7.60	
		1	12.00			0.80		9.60	
		1	13.00			1.10		14.30	
		1	13.00			1.50		19.50	
	3rd Main Road	1	12.00			1.30		15.60	
		1	8.00			2.20		17.60	
		1	10.00			1.80		18.00	
		1	10.60			1.20		12.72	
		1	8.60			1.20		10.32	
		1	9.40			1.00		9.40	
			Total Qty =					256.87	
			Qty Limited to =					256.50	

Assistant Engineer
Ward No. 09

ASSISTANT EXECUTIVE ENGINEER
Vidyaranyapura Sub-Division
Bruhath Bengaluru Mahanagara Palike

Assistant Executive Engineer
Vidyaranyapura Sub Division

Sl No	Description of work	Mesurement No.	L	B1	B2	Av.,B	D	Qty	Rate / Unit
	Measurements Recarded on :								
11	Providing and applying **primer coat** with S.S. bitumen emulsion on prepared surface of granular base such as WMM including cleaning of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specifications Clause 502 of								Sqm
	BEL 1st Block 3rd Main Road								
	From 11th Cross to 13th Cross R/S	1	15.00	0.90	0.80	0.85		12.75	
		1	15.00	0.80	1.00	0.90		13.50	
		1	15.00	1.00	0.75	0.88		13.13	
		1	15.00	0.75	0.90	0.83		12.38	
		1	15.00	0.90	0.75	0.83		12.38	
		1	15.00	0.60	0.70	0.65		9.75	
		1	15.00	0.70	0.65	0.68		10.13	
		1	15.00	0.65	0.75	0.70		10.50	
		1	15.00	0.75	0.60	0.68		10.13	
		1	15.00	0.60	0.75	0.68		10.13	
		1	15.00	0.75	0.60	0.68		10.13	
		1	15.00	0.60	0.80	0.70		10.50	
		1	15.00	0.80	0.60	0.70		10.50	
		1	15.30	0.60	0.75	0.68		10.33	
	From 11th Cross to 13th Cross L/S								
		1	15.00	0.80	1.00	0.90		13.50	
		1	15.00	1.00	0.75	0.88		13.13	
		1	15.00	0.75	0.90	0.83		12.38	
		1	15.00	0.90	0.75	0.83		12.38	
		1	15.00	0.60	0.70	0.65		9.75	
		1	15.00	0.70	0.65	0.68		10.13	
		1	15.00	0.65	0.75	0.70		10.50	
		1	15.00	0.75	0.60	0.68		10.13	
		1	15.00	0.60	0.75	0.68		10.13	
		1	15.00	0.75	0.60	0.68		10.13	
		1	15.00	0.60	0.80	0.70		10.50	
		1	15.00	0.80	0.60	0.70		10.50	
		1	15.00	0.60	0.75	0.68		10.13	
		1	11.30	0.75	0.65	0.70		7.91	
	12th Cross Road								
	From 3rd Main Road R/S	1	15.00	0.90	0.85	0.88		13.13	
		1	15.00	0.85	0.90	0.88		13.13	
		1	15.00	0.90	0.75	0.83		12.38	
		1	15.00	0.75	0.65	0.70		10.50	
		1	15.00	0.65	0.75	0.70		10.50	
		1	15.00	0.75	0.90	0.83		12.38	
		1	15.00	0.90	0.75	0.83		12.38	
		1	15.00	0.75	0.90	0.83		12.38	
		1	15.00	0.90	0.70	0.80		12.00	
		1	15.00	0.70	0.80	0.75		11.25	
		1	15.00	0.80	0.90	0.85		12.75	
	From 3rd Main Road R/S								
		1	15.00	1.00	1.10	1.05		15.75	
		1	15.00	1.10	0.75	0.93		13.88	
		1	15.00	0.75	1.00	0.88		13.13	
		1	15.00	1.00	0.95	0.98		14.63	
		1	15.00	0.95	0.90	0.93		13.88	
		1	15.00	0.90	0.80	0.85		12.75	
		1	15.00	0.80	1.00	0.90		13.50	
		1	15.00	1.00	0.95	0.98		14.63	
		1	15.00	0.95	1.00	0.98		14.63	

ASSISTANT EXECUTIVE ENGINEER
Bruhat Bengaluru Mahanagara
566.86

Sl No	Description of work		Mesurement					Qty	Rate / Unit
		No.	L	B1	B2	Av.,B	D		
		1	15.00	1.00	0.95	0.98		14.63	566.86
		1	12.00	0.95	1.00	0.98		11.70	
	2nd A Main Road								
	From 12th Cross	1	15.00	0.95	1.00	0.98		14.63	
		1	15.00	1.00	0.95	0.98		14.63	
		1	15.00	0.95	0.80	0.88		13.13	
		1	15.00	0.80	0.95	0.88		13.13	
		1	15.00	0.95	0.60	0.78		11.63	
		1	15.00	0.60	0.75	0.68		10.13	
		1	15.00	0.75	0.90	0.83		12.38	
		1	15.00	0.90	0.85	0.88		13.13	
		1	15.00	0.85	0.95	0.90		13.50	
		1	15.00	0.95	1.00	0.98		14.63	
		1	13.00	1.00	0.90	0.95		12.35	
	2nd B Main Road								
	From 11th Cross to 12th Cross	1	15.00	0.90	1.00	0.95		14.25	
		1	15.00	1.00	1.00	1.00		15.00	
		1	15.00	1.00	0.95	0.98		14.63	
		1	15.00	0.95	1.00	0.98		14.63	
		1	15.00	1.00	0.90	0.95		14.25	
		1	15.00	0.90	0.85	0.88		13.13	
		1	15.00	0.80	0.90	0.85		12.75	
		1	15.00	0.90	1.00	0.95		14.25	
		1	15.00	1.00	1.00	1.00		15.00	
		1	15.00	1.00	0.95	0.98		14.63	
		1	11.00	0.95	1.00	0.98		10.73	
	9th Cross Road								
	From 2nd Main	1	15.00	1.00	0.80	0.90		13.50	
		1	15.00	0.80	0.90	0.85		12.75	
		1	15.00	0.90	1.00	0.95		14.25	
		1	15.00	1.00	0.95	0.98		14.63	
		1	15.00	0.95	1.00	0.98		14.63	
		1	15.00	1.00	0.85	0.93		13.88	
		1	15.00	0.85	0.90	0.88		13.13	
		1	16.20	0.90	1.00	0.95		15.39	
			Total Qty =					1001.78	
			Qty Limited to =					999.84	

Assistant Engineer
Ward No. 09

Assistant Executive Engineer
Vidyaranyapura Sub Division

ASSISTANT EXECUTIVE ENGINEER
Vidyaranyapura Sub Division
Bruhath Bengaluru Mahanagara Palike

Sl No	Description of work	Mesurement						Qty	Rate / Unit
		No.	L	B1	B2	Av.,B	D		
	Measurements Recarded on :								
12	Providing and laying **dense graded bituminous macadam** using crushed aggregates of specified grading, premixed with VG30 grade bituminous binder and, transporting the hot mix to work site, laying to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications Clause 505 of MORTH V revisionusing 40/60 TPH capacity H.M.P. with Mechanical paver Gr-II (50 mm to 75 mm) with 4.5 % VG-30 Bitumen								Cum
	BEL 1st Block 3rd Main Road								
	From 11th Cross to 13th Cross R/S	1	15.00	0.90	0.80	0.85	0.05	0.64	
		1	15.00	0.80	1.00	0.90	0.05	0.68	
		1	15.00	1.00	0.75	0.88	0.05	0.66	
		1	15.00	0.75	0.90	0.83	0.05	0.62	
		1	15.00	0.90	0.75	0.83	0.05	0.62	
		1	15.00	0.60	0.70	0.65	0.05	0.49	
		1	15.00	0.70	0.65	0.68	0.05	0.51	
		1	15.00	0.65	0.75	0.70	0.05	0.53	
		1	15.00	0.75	0.60	0.68	0.05	0.51	
		1	15.00	0.60	0.75	0.68	0.05	0.51	
		1	15.00	0.75	0.60	0.68	0.05	0.51	
		1	15.00	0.60	0.80	0.70	0.05	0.53	
		1	15.00	0.80	0.60	0.70	0.05	0.53	
		1	15.30	0.60	0.75	0.68	0.05	0.52	
	From 11th Cross to 13th Cross L/S								
		1	15.00	0.80	1.00	0.90	0.05	0.68	
		1	15.00	1.00	0.75	0.88	0.05	0.66	
		1	15.00	0.75	0.90	0.83	0.05	0.62	
		1	15.00	0.90	0.75	0.83	0.05	0.62	
		1	15.00	0.60	0.70	0.65	0.05	0.49	
		1	15.00	0.70	0.65	0.68	0.05	0.51	
		1	15.00	0.65	0.75	0.70	0.05	0.53	
		1	15.00	0.75	0.60	0.68	0.05	0.51	
		1	15.00	0.60	0.75	0.68	0.05	0.51	
		1	15.00	0.75	0.60	0.68	0.05	0.51	
		1	15.00	0.60	0.80	0.70	0.05	0.53	
		1	15.00	0.80	0.60	0.70	0.05	0.53	
		1	15.00	0.60	0.75	0.68	0.05	0.51	
		1	11.30	0.75	0.65	0.70	0.05	0.40	
	12th Cross Road								
	From 3rd Main Road R/S	1	15.00	0.90	0.85	0.88	0.05	0.66	
		1	15.00	0.85	0.90	0.88	0.05	0.66	
		1	15.00	0.90	0.75	0.83	0.05	0.62	
		1	15.00	0.75	0.65	0.70	0.05	0.53	
		1	15.00	0.65	0.75	0.70	0.05	0.53	
		1	15.00	0.75	0.90	0.83	0.05	0.62	
		1	15.00	0.90	0.75	0.83	0.05	0.62	
		1	15.00	0.75	0.90	0.83	0.05	0.62	
		1	15.00	0.90	0.70	0.80	0.05	0.60	
		1	15.00	0.70	0.80	0.75	0.05	0.56	
		1	15.00	0.80	0.90	0.85	0.05	0.64	
	From 3rd Main Road R/S								
		1	15.00	1.00	1.10	1.05	0.05	0.79	
		1	15.00	1.10	0.75	0.93	0.05	0.69	
		1	15.00	0.75	1.00	0.88	0.05	0.66	
		1	15.00	1.00	0.95	0.98	0.05	0.73	
		1	15.00	0.95	0.90	0.93	0.05	0.69	
		1	15.00	0.90	0.80	0.85	0.05	0.64	
		1	15.00	0.80	1.00	0.90	0.05	0.68	

ASSISTANT EXECUTIVE ENGINEER
Vijayanagarapura Sub-Division
Bharath Sanchar Nigam Limited

Sl No	Description of work	Mesurement						Qty	Rate / Unit
		No.	L	B1	B2	Av.,B	D		
		1	15.00	1.00	0.95	0.98	0.05	0.73	26.82
		1	15.00	0.95	1.00	0.98	0.05	0.73	
		1	15.00	1.00	0.95	0.98	0.05	0.73	
		1	12.00	0.95	1.00	0.98	0.05	0.59	
	2nd A Main Road								
	From 12th Cross	1	15.00	0.95	1.00	0.98	0.05	0.73	
		1	15.00	1.00	0.95	0.98	0.05	0.73	
		1	15.00	0.95	0.80	0.88	0.05	0.66	
		1	15.00	0.80	0.95	0.88	0.05	0.66	
		1	15.00	0.95	0.60	0.78	0.05	0.58	
		1	15.00	0.60	0.75	0.68	0.05	0.51	
		1	15.00	0.75	0.90	0.83	0.05	0.62	
		1	15.00	0.90	0.85	0.88	0.05	0.66	
		1	15.00	0.85	0.95	0.90	0.05	0.68	
		1	15.00	0.95	1.00	0.98	0.05	0.73	
		1	13.00	1.00	0.90	0.95	0.05	0.62	
	2nd B Main Road								
	From 11th Cross to 12th Cross	1	15.00	0.90	1.00	0.95	0.05	0.71	
		1	15.00	1.00	1.00	1.00	0.05	0.75	
		1	15.00	1.00	0.95	0.98	0.05	0.73	
		1	15.00	0.95	1.00	0.98	0.05	0.73	
		1	15.00	1.00	0.90	0.95	0.05	0.71	
		1	15.00	0.90	0.85	0.88	0.05	0.66	
		1	15.00	0.80	0.90	0.85	0.05	0.64	
		1	15.00	0.90	1.00	0.95	0.05	0.71	
		1	15.00	1.00	1.00	1.00	0.05	0.75	
		1	15.00	1.00	0.95	0.98	0.05	0.73	
		1	11.00	0.95	1.00	0.98	0.05	0.54	
	9th Cross Road								
	From 2nd Main	1	15.00	1.00	0.80	0.90	0.05	0.68	
		1	15.00	0.80	0.90	0.85	0.05	0.64	
		1	15.00	0.90	1.00	0.95	0.05	0.71	
		1	15.00	1.00	0.95	0.98	0.05	0.73	
		1	15.00	0.95	1.00	0.98	0.05	0.73	
		1	15.00	1.00	0.85	0.93	0.05	0.69	
		1	15.00	0.85	0.90	0.88	0.05	0.66	
		1	16.20	0.90	1.00	0.95	0.05	0.77	
			Total Qty =					50.09	
			Qty Limited to =					49.99	

Assistant Engineer
Ward No. 09

Assistant Executive Engineer
Vidyaranyapura Sub Division
Bruhath Bengaluru Mahanagara Palike

ASSISTANT EXECUTIVE ENGINEER
Vidyaranyapura Sub-Division
Bruhath Bengaluru Mahanagara Palike

Sl No	Description of work	Mesurement No.	L	B1	B2	Av.,B	D	Qty	Rate / Unit
	Measurements Recarded on :								
13	Cleaning the existing black topped surface with brooms,soft brushes and finally dusting with old gunny bags and/or compressed air to receive bituminous treatment including cost of all materials,labhour, HOM of machineries complete as per specifications.								Sqm
	BEL 1st Block 3rd Main Road								
	From 11th Cross to 13th Cross	1	2.00	6.00	4.00	5.00		10.00	
		1	15.00	4.00	4.10	4.05		60.75	
		1	15.00	4.10	4.00	4.05		60.75	
		1	15.00	4.00	3.90	3.95		59.25	
		1	15.00	3.90	4.00	3.95		59.25	
		1	15.00	4.00	4.40	4.20		63.00	
		1	15.00	4.40	4.30	4.35		65.25	
		1	15.00	4.30	4.20	4.25		63.75	
		1	15.00	4.20	4.50	4.35		65.25	
		1	15.00	4.50	4.50	4.50		67.50	
		1	15.00	4.50	4.50	4.50		67.50	
		1	15.00	4.50	4.50	4.50		67.50	
		1	15.00	4.50	4.50	4.50		67.50	
		1	15.00	4.50	4.50	4.50		67.50	
		1	11.30	4.50	4.40	4.45		50.29	
		1	2.00	4.40	5.50	4.95		9.90	
	12th Cross Road								
	From 3rd Main Road	1	2.00	6.40	4.40	5.40		10.80	
		1	15.00	4.40	4.40	4.40		66.00	
		1	15.00	4.40	4.50	4.45		66.75	
		1	15.00	4.50	4.50	4.50		67.50	
		1	15.00	4.50	4.10	4.30		64.50	
		1	15.00	4.10	4.30	4.20		63.00	
		1	15.00	4.30	4.50	4.40		66.00	
		1	15.00	4.50	4.30	4.40		66.00	
		1	15.00	4.30	4.40	4.35		65.25	
		1	15.00	4.40	4.00	4.20		63.00	
		1	15.00	4.00	4.40	4.20		63.00	
		1	12.00	4.40	4.40	4.40		52.80	
		1	2.00	4.40	7.50	5.95		11.90	
	2nd A Main Road								
	From 12th Cross	1	2.00	6.50	4.50	5.50		11.00	
		1	15.00	4.50	4.50	4.50		67.50	
		1	15.00	4.50	4.30	4.40		66.00	
		1	15.00	4.30	4.30	4.30		64.50	
		1	15.00	4.30	4.30	4.30		64.50	
		1	15.00	4.30	4.40	4.35		65.25	
		1	15.00	4.40	4.60	4.50		67.50	
		1	15.00	4.60	4.00	4.30		64.50	
		1	15.00	4.00	4.50	4.25		63.75	
		1	15.00	4.50	3.60	4.05		60.75	
		1	15.00	3.60	4.20	3.90		58.50	

ASSISTANT EXECUTIVE ENGINEER
Vidyaranyapura Sub-Division
Bruhath Bengaluru Mahanagara

Sl No	Description of work	Mesurement						Qty	Rate / Unit
		No.	L	B1	B2	Av.,B	D		
		1	11.00	4.20	4.20	4.20		46.20	2281.00
		1	2.00	4.20	7.20	5.70		11.40	
	2nd B Main Road								
	From 11th Cross to 12th Cross	1	15.00	4.30	4.30	4.30		64.50	
		1	15.00	4.30	4.30	4.30		64.50	
		1	15.00	4.30	3.90	4.10		61.50	
		1	15.00	3.90	3.80	3.85		57.75	
		1	15.00	3.80	4.50	4.15		62.25	
		1	15.00	4.50	4.30	4.40		66.00	
		1	15.00	4.30	4.00	4.15		62.25	
		1	15.00	4.00	4.20	4.10		61.50	
		1	15.00	4.20	4.90	4.55		68.25	
		1	15.00	4.90	4.70	4.80		72.00	
		1	11.00	4.70	4.50	4.60		50.60	
		1	2.00	4.50	6.00	5.25		10.50	
	9th Cross Road								
	From 2nd Main	1	2.00	6.20	4.40	5.30		10.60	
		1	15.00	4.40	4.40	4.40		66.00	
		1	15.00	4.40	4.60	4.50		67.50	
		1	15.00	4.60	4.10	4.35		65.25	
		1	15.00	4.10	4.80	4.45		66.75	
		1	15.00	4.80	4.40	4.60		69.00	
		1	15.00	4.40	4.60	4.50		67.50	
		1	15.00	4.60	4.20	4.40		66.00	
		1	13.20	4.20	4.20	4.20		55.44	
		1	2.00	4.20	6.90	5.55		11.10	
		1	15.00	5.40	5.20	5.30		79.50	
		1	10.00	5.20	6.00	5.60		56.00	
	Deductions for Chambers	4	0.60			0.60		-1.44	
		7	0.60			0.90		-3.78	
					Total Qty =			3719.81	
					Qty Limited to =			3716.70	

Assistant Engineer
Ward No. 09

ASSISTANT EXECUTIVE ENGINEER
Vidyaranyapura Sub-Division
Bruhath Bengaluru Mahanagara Palike

Assistant Executive Engineer
Vidyaranyapura Sub Division